

ABSTRACT

A crystalline titanosilicate catalyst which is
usable as a catalyst in the oxidation reaction of a
5 compound having a carbon-carbon double bond and at least
one other functional group, a process for producing the
catalyst, and a process for producing an oxidized
compound by an oxidation reaction using the catalyst.
It has been found that a crystalline titanosilicate
10 having a structural code of MWW effectively functions as
a catalyst in an oxidation reaction of a compound having
a carbon-carbon double bond and at least one other
functional group wherein the carbon-carbon double bond
of the compound is oxidized by using a peroxide as an
15 oxidizing agent, thereby to highly selectively provide
an intended oxidized compound.